

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P242395

Luminaire Tested: S122RDRP-S865D830-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P242395
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-29)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122RDRP-S865D830-X4F0-XX-UDD-A-W
Description: DEFINE 2 REGRESSED DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER
STANDARD LIGHT ENGINE
Light Source: (92) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

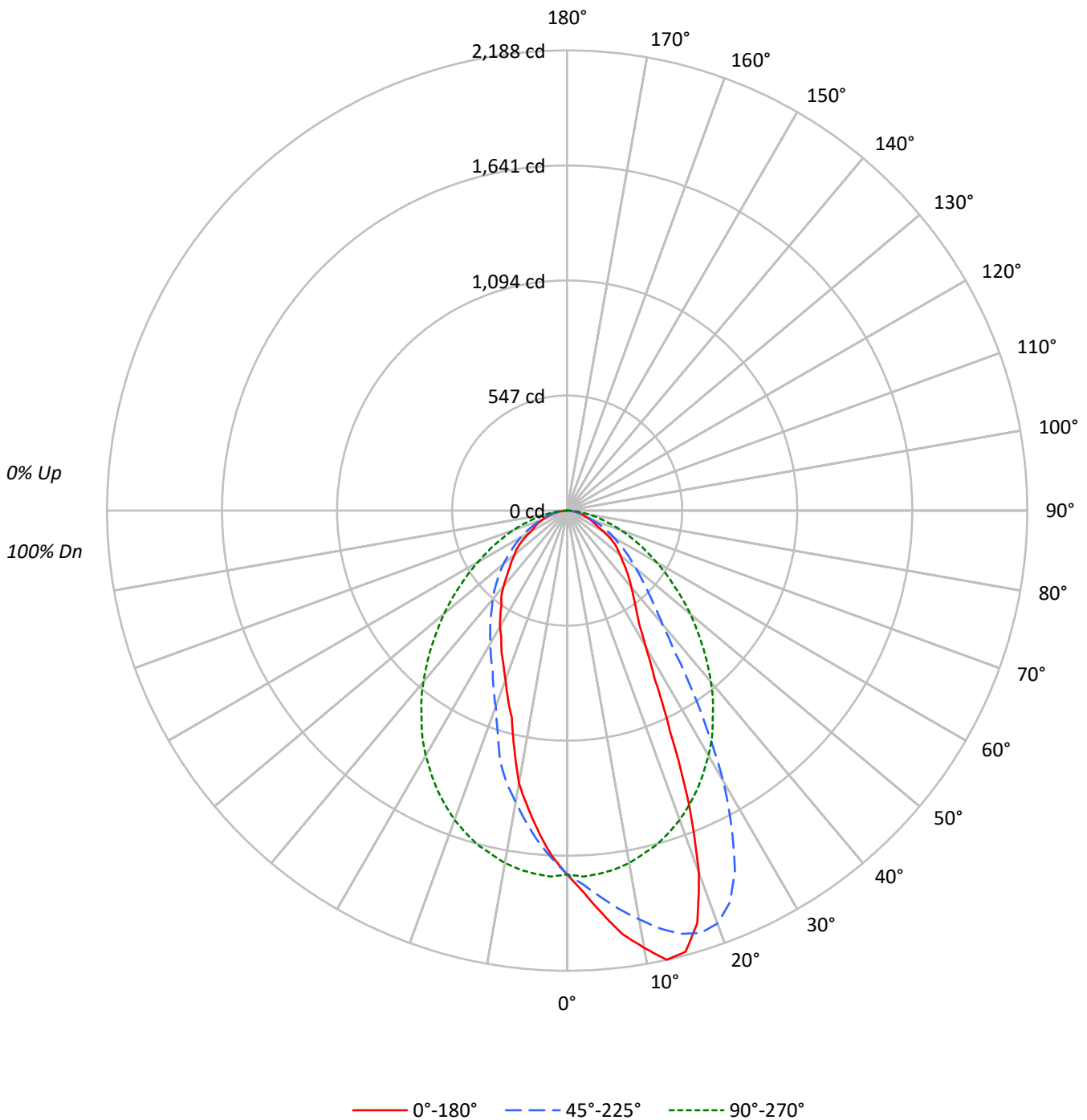
Lumens per Lamp: N/A
Luminaire Lumens: 2989.0 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 1.16 / 1.02
Luminous Opening: Rectangular (W 3.88' x L: 0.15' x H: 0')
CIE Type: Direct

Input Watts (W): 34.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P242395

CATALOG NUMBER: S122RDRP-S865D830-X4F0-XX-UDD-A-W

Luminous Intensity Polar Plot



TEST NUMBER: P242395

CATALOG NUMBER: S122RDRP-S865D830-X4F0-XX-UDD-A-W

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	111	106	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89					87				
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78					76				
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68					66				
4	87	77	69	63	85	76	68	63	73	67	62	71	66	61	69	64	60					59				
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54					52				
6	76	64	56	50	74	63	55	50	61	54	49	60	54	49	58	53	49					47				
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44					42				
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40					39				
9	62	50	43	38	61	50	42	37	49	42	37	47	41	37	47	41	37					35				
10	59	47	39	35	58	46	39	35	45	39	34	44	38	34	44	38	34					33				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	32947	32947	32947	32947	32947
5°	36797	35279	33153	30212	29396
10°	40826	38163	32921	27225	25481
15°	42833	41078	32439	24285	20077
20°	37133	42346	31725	20114	17374
25°	24354	39676	30746	17608	15513
30°	16392	32664	29558	16034	14039
35°	13277	23855	28062	14787	12661
40°	11806	17530	26436	13643	11716
45°	10686	14571	24527	12644	10460
50°	9726	12627	22637	11684	9690
55°	9142	11178	20536	10557	9023
60°	7646	9730	18613	9684	7554
65°	6445	8667	16902	8613	7315
70°	5959	6895	15098	7596	6895
75°	5571	6233	13137	7168	6366
80°	5145	5671	10816	6263	5671
85°	4721	4852	8545	4983	4983

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 70°
 Vertical Angle: 45°
 Luminance: 35730 cd/sqm



TEST NUMBER: P242395

CATALOG NUMBER: S122RDRP-S865D830-X4F0-XX-UDD-A-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.1	5.5
10°-20°	457.9	15.3
20°-30°	589.4	19.7
30°-40°	559.1	18.7
40°-50°	479.1	16.0
50°-60°	364.9	12.2
60°-70°	230.2	7.7
70°-80°	114.9	3.8
80°-90°	29.5	1.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1211.4	40.5
0°-40°	1770.5	59.2
0°-60°	2614.5	87.5
0°-90°	2989.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2989.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1730	1730	1730	1730	1730	
5°	1924	1845	1734	1580	1537	190
15°	2172	2083	1645	1232	1018	591
25°	1159	1888	1463	838	738	547
35°	571	1026	1207	636	544	363
45°	397	541	910	469	388	307
55°	275	337	618	318	272	242
65°	143	192	375	191	162	145
75°	76	85	178	97	86	80
85°	22	22	39	23	23	24
90°	0	0	0	0	0	



TEST NUMBER: P242395

CATALOG NUMBER: S122RDRP-S865D830-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1729.7	1729.7	1729.7	1729.7	1729.7	1729.7	1729.7	1729.7	1729.7	1729.7	1729.7
2.5°	1817.5	1819.3	1821.1	1816.9	1816.9	1813.3	1805.5	1799.5	1782.6	1780.2	1780.2
5°	1924.5	1923.3	1925.7	1917.9	1907.0	1904.6	1893.2	1878.2	1862.6	1845.1	1841.5
7.5°	2032.6	2025.4	2022.4	2026.0	2014.6	1999.0	1979.8	1961.7	1934.7	1912.4	1898.6
10°	2110.8	2130.6	2118.6	2097.6	2101.8	2073.5	2058.5	2032.6	2011.0	1973.1	1964.7
12.5°	2187.7	2192.5	2190.7	2181.1	2173.3	2155.9	2134.2	2112.6	2068.1	2035.1	2000.2
15°	2172.1	2183.5	2186.5	2182.9	2185.9	2184.7	2173.9	2155.3	2120.4	2083.1	2050.7
17.5°	2056.7	2069.9	2080.7	2090.3	2105.4	2134.8	2143.8	2147.4	2133.0	2106.6	2079.5
20°	1831.9	1818.7	1874.0	1902.2	1926.3	1986.4	2038.1	2057.9	2089.7	2089.1	2083.1
22.5°	1513.4	1520.6	1572.3	1607.1	1688.9	1749.0	1809.7	1898.0	1967.1	2018.2	2049.5
25°	1158.8	1181.6	1233.9	1279.6	1357.7	1469.5	1571.1	1688.9	1800.1	1887.8	1971.3
27.5°	901.5	904.5	952.0	998.3	1046.4	1143.1	1279.0	1420.2	1578.9	1693.1	1837.3
30°	745.3	741.7	759.1	784.9	824.6	895.5	991.7	1129.9	1288.0	1485.1	1660.6
32.5°	634.7	635.9	647.9	665.3	696.6	738.7	797.0	902.7	1050.0	1242.9	1456.3
35°	571.0	570.4	580.0	593.8	607.6	638.3	683.4	742.3	845.0	1025.9	1236.3
37.5°	518.1	521.1	525.3	534.3	551.1	569.2	597.4	638.9	717.0	829.4	1018.1
40°	474.8	476.0	482.6	489.8	498.8	512.1	534.3	566.2	619.7	705.0	834.2
42.5°	435.1	436.3	440.5	447.2	453.8	467.0	484.4	510.9	551.7	613.6	714.6
45°	396.7	396.7	400.9	403.9	411.7	423.7	438.7	461.6	491.6	540.9	611.8
47.5°	359.4	359.4	362.4	367.8	373.2	382.8	398.5	417.7	439.3	479.6	542.7
50°	328.2	328.8	330.6	334.8	337.8	346.2	357.6	373.8	396.7	426.1	476.6
52.5°	302.9	302.3	304.7	305.9	307.7	313.1	320.9	334.8	354.6	379.2	418.9
55°	275.3	272.9	276.5	279.5	281.3	283.7	288.5	297.5	314.9	336.6	367.8
57.5°	242.8	241.6	243.4	246.4	251.8	257.8	260.8	266.9	275.9	292.7	325.8
60°	200.7	200.7	206.1	208.0	214.6	223.0	231.4	236.2	245.2	255.4	278.3
62.5°	163.5	164.1	165.9	167.7	170.7	181.5	194.1	206.1	214.6	224.2	237.4
65°	143.0	144.2	144.2	145.4	147.9	150.3	155.1	163.5	178.5	192.3	203.7
67.5°	125.0	125.0	125.6	126.8	127.4	130.4	132.2	136.4	139.4	155.1	170.7
70°	107.0	108.8	108.2	109.4	110.0	111.2	113.6	115.4	120.8	123.8	132.2
72.5°	90.2	91.4	91.4	92.0	93.8	93.8	95.6	97.4	100.4	102.8	106.4
75°	75.7	75.1	75.7	76.9	77.5	78.1	78.1	80.5	82.3	84.7	87.7
77.5°	61.3	61.9	61.9	61.9	61.9	63.1	63.1	64.3	66.1	67.3	69.1
80°	46.9	47.5	46.9	47.5	48.1	48.7	48.1	48.7	50.5	51.7	51.7
82.5°	33.7	33.7	34.3	34.3	34.3	34.3	35.5	35.5	36.7	36.1	36.7
85°	21.6	21.0	21.0	21.0	21.6	22.2	21.6	21.6	22.2	22.2	22.2
87.5°	9.6	10.2	10.2	10.2	10.2	10.2	10.2	10.8	10.2	10.8	10.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P242395

CATALOG NUMBER: S122RDRP-S865D830-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1729.7	1729.7	1729.7	1729.7	1729.7	1729.7	1729.7	1729.7	1729.7	1729.7	1729.7
2.5°	1781.4	1776.6	1772.4	1761.6	1756.2	1744.2	1742.4	1741.8	1726.1	1711.1	1706.9
5°	1831.9	1822.3	1807.9	1791.0	1773.6	1755.6	1743.6	1733.9	1709.9	1687.1	1673.8
7.5°	1881.8	1864.4	1841.5	1812.7	1788.0	1759.2	1739.4	1721.3	1688.3	1658.2	1638.4
10°	1938.9	1905.2	1872.2	1828.3	1794.0	1760.4	1729.1	1702.1	1663.6	1620.3	1589.7
12.5°	1974.3	1936.5	1887.8	1845.1	1798.2	1753.2	1708.7	1672.0	1625.2	1580.1	1542.2
15°	2005.6	1965.9	1910.6	1849.3	1792.2	1736.3	1688.3	1645.0	1586.1	1532.6	1488.1
17.5°	2034.5	1979.8	1922.7	1851.7	1788.6	1720.7	1660.0	1605.9	1541.6	1478.5	1428.0
20°	2047.1	1993.0	1924.5	1853.5	1775.4	1691.9	1625.2	1565.1	1494.7	1424.4	1364.3
22.5°	2039.3	2000.2	1922.1	1833.7	1753.2	1664.8	1587.3	1515.2	1435.2	1363.1	1291.0
25°	1998.4	1984.0	1911.8	1819.3	1727.9	1626.4	1539.2	1462.9	1373.9	1297.0	1221.3
27.5°	1923.3	1944.3	1893.2	1792.8	1694.3	1584.9	1489.9	1404.0	1313.2	1227.3	1151.6
30°	1804.3	1875.8	1856.5	1765.2	1651.6	1544.6	1434.6	1343.9	1245.3	1156.4	1081.8
32.5°	1641.4	1771.2	1799.5	1726.7	1608.3	1488.1	1371.5	1281.4	1177.4	1082.4	1010.3
35°	1466.5	1643.2	1724.3	1675.6	1557.8	1431.0	1312.0	1206.8	1103.5	1010.9	938.8
37.5°	1259.1	1494.7	1619.7	1614.3	1501.9	1372.7	1243.5	1139.5	1033.2	941.8	866.7
40°	1058.4	1319.2	1495.3	1534.4	1443.0	1300.6	1169.6	1063.2	959.8	870.9	781.3
42.5°	878.1	1137.7	1364.3	1439.4	1371.5	1230.3	1098.7	986.3	886.5	803.6	711.6
45°	739.3	966.4	1205.0	1326.4	1286.2	1155.2	1016.3	910.5	816.2	743.5	655.7
47.5°	640.1	805.4	1045.2	1203.8	1199.0	1074.6	936.4	834.8	745.9	678.6	604.0
50°	557.7	697.2	892.5	1078.8	1094.5	994.1	864.3	763.9	682.2	610.6	553.5
52.5°	483.8	592.6	763.3	940.0	991.7	908.1	783.1	692.4	613.6	549.3	502.5
55°	421.3	510.3	643.7	810.8	878.1	816.8	705.0	618.4	554.1	498.8	456.8
57.5°	366.6	436.3	547.5	687.6	763.9	722.4	626.9	555.3	498.2	446.6	412.9
60°	315.5	370.2	461.0	573.4	659.9	632.9	554.1	488.6	441.7	398.5	367.2
62.5°	267.5	312.5	387.1	473.0	550.5	543.3	482.6	430.3	390.7	352.2	327.0
65°	223.0	257.2	317.9	389.5	453.2	458.6	412.3	375.0	338.4	307.1	283.7
67.5°	184.5	208.0	253.6	316.7	365.4	382.2	351.0	320.9	290.9	265.7	244.6
70°	149.7	167.7	198.9	247.6	291.5	309.5	293.3	271.1	245.8	226.0	208.6
72.5°	114.2	131.6	152.7	185.1	221.2	241.0	238.0	223.6	204.3	188.7	172.5
75°	91.4	96.8	112.4	136.4	165.9	182.7	186.9	178.5	162.3	149.7	140.0
77.5°	70.9	74.5	82.9	97.4	117.8	132.8	139.4	138.2	126.2	117.8	108.8
80°	54.1	55.9	59.5	64.9	79.3	94.4	98.6	98.6	90.8	87.7	78.7
82.5°	37.9	39.1	40.9	43.3	48.1	60.7	65.5	66.7	62.5	58.3	51.7
85°	23.4	22.8	24.0	25.8	27.0	30.7	37.9	39.1	37.9	33.1	31.3
87.5°	10.2	10.8	10.8	10.2	10.8	11.4	14.4	17.4	15.0	13.2	12.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P242395

CATALOG NUMBER: S122RDRP-S865D830-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1729.7	1729.7	1729.7	1729.7	1729.7	1729.7	1729.7	1729.7	1729.7	1729.7	1729.7
2.5°	1699.1	1694.9	1687.1	1675.0	1667.8	1655.2	1646.8	1651.6	1652.8	1651.6	1650.4
5°	1659.4	1646.8	1629.4	1612.5	1596.9	1580.1	1570.5	1566.3	1557.8	1553.0	1550.6
7.5°	1614.3	1595.7	1571.1	1544.0	1518.8	1494.7	1483.9	1475.5	1459.9	1451.5	1443.6
10°	1562.7	1528.4	1503.8	1465.3	1441.8	1407.6	1384.1	1384.7	1361.3	1348.1	1338.5
12.5°	1505.6	1467.1	1422.0	1388.4	1353.5	1327.7	1298.2	1283.8	1258.5	1245.9	1215.9
15°	1441.2	1397.4	1354.1	1307.2	1274.2	1231.5	1190.6	1140.7	1100.5	1065.6	1056.0
17.5°	1372.7	1318.6	1276.0	1227.9	1176.2	1098.7	1048.2	1017.5	993.5	975.5	961.0
20°	1301.8	1246.5	1200.2	1117.3	1041.0	992.3	957.4	935.2	909.9	890.1	879.3
22.5°	1227.3	1169.0	1101.7	1006.7	951.4	914.8	884.7	858.3	843.2	828.8	819.2
25°	1157.6	1094.5	990.5	926.8	878.7	837.8	816.2	800.6	782.5	761.5	751.9
27.5°	1084.8	984.5	905.7	859.5	810.2	784.3	765.7	739.9	723.6	715.8	705.0
30°	1001.3	900.9	842.6	790.9	758.5	729.0	706.2	693.0	677.3	661.1	654.5
32.5°	908.1	833.0	777.7	736.8	703.8	679.8	662.9	639.5	629.3	620.9	605.2
35°	834.2	773.5	722.4	687.6	656.3	635.9	614.8	602.2	581.8	573.4	568.0
37.5°	766.9	714.0	675.5	637.1	613.0	589.0	577.0	555.9	548.1	534.9	524.1
40°	711.6	659.9	623.3	593.2	565.6	548.7	532.5	516.3	503.1	497.6	483.8
42.5°	655.1	615.4	578.8	545.1	528.9	510.9	489.2	478.4	464.6	455.0	447.8
45°	604.0	566.8	535.5	508.5	488.0	469.4	456.2	436.3	428.5	411.1	403.9
47.5°	558.9	522.9	492.8	466.4	446.0	435.1	415.9	398.5	387.7	375.6	365.4
50°	510.3	481.4	452.6	429.7	411.7	394.3	374.4	366.6	347.4	342.0	336.6
52.5°	465.8	438.7	412.9	390.7	372.6	355.8	339.0	328.2	316.7	311.3	307.7
55°	424.9	398.5	373.2	353.4	335.4	317.9	307.1	294.5	288.5	284.3	279.5
57.5°	382.8	358.8	339.0	318.5	300.5	286.1	272.9	265.7	259.6	254.8	248.2
60°	343.2	320.3	302.9	284.3	265.7	254.2	244.6	235.6	228.4	220.0	217.6
62.5°	301.1	281.9	266.3	248.2	232.6	222.4	213.4	204.9	195.9	182.7	179.1
65°	263.2	247.6	230.8	215.8	201.3	191.1	177.9	168.3	164.7	163.5	162.9
67.5°	228.4	213.4	198.9	183.3	170.1	158.7	150.9	149.7	147.2	146.6	144.8
70°	193.5	179.7	165.3	150.9	138.2	136.4	134.0	131.6	128.6	127.4	126.2
72.5°	162.3	147.9	133.4	122.6	119.0	116.6	114.2	111.8	110.0	108.8	108.2
75°	129.2	116.0	106.4	102.2	99.2	97.4	93.8	92.0	90.8	89.0	88.3
77.5°	98.6	90.2	85.3	82.9	79.3	77.5	75.1	73.3	71.5	71.5	70.3
80°	70.9	67.3	64.3	60.7	59.5	57.1	56.5	54.7	55.3	53.5	53.5
82.5°	51.1	46.3	43.9	42.7	41.5	39.7	39.1	38.5	38.5	37.3	37.3
85°	28.2	27.0	25.8	24.6	24.6	22.8	23.4	22.8	22.8	21.6	21.0
87.5°	11.4	10.8	9.6	9.6	9.6	9.0	9.0	8.4	8.4	8.4	7.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P242395

CATALOG NUMBER: S122RDRP-S865D830-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1729.7	1729.7	1729.7	1729.7
2.5°	1643.8	1645.0	1643.2	1644.4
5°	1547.6	1540.4	1539.2	1537.4
7.5°	1434.0	1433.4	1429.8	1425.6
10°	1325.2	1322.2	1321.6	1317.4
12.5°	1197.8	1174.4	1172.0	1160.0
15°	1041.6	1038.0	1025.9	1018.1
17.5°	954.4	942.4	938.2	936.4
20°	870.9	860.1	858.3	857.1
22.5°	813.2	801.8	796.4	792.1
25°	745.9	741.7	739.3	738.1
27.5°	693.0	682.2	681.0	677.9
30°	649.1	646.1	641.9	638.3
32.5°	597.4	595.0	591.4	590.2
35°	562.0	553.5	549.9	544.5
37.5°	522.9	518.1	512.1	514.5
40°	476.0	473.0	471.8	471.2
42.5°	438.7	429.1	425.5	425.5
45°	400.9	393.1	387.7	388.3
47.5°	360.0	360.6	357.0	358.2
50°	332.4	328.8	326.4	327.0
52.5°	305.9	302.9	301.1	304.1
55°	276.5	272.9	272.3	271.7
57.5°	244.6	242.8	239.8	238.0
60°	209.8	204.9	198.9	198.3
62.5°	177.9	177.9	177.9	177.9
65°	161.7	161.1	161.7	162.3
67.5°	144.8	143.6	142.4	143.0
70°	125.0	124.4	123.8	123.8
72.5°	105.8	105.8	105.2	104.6
75°	87.7	86.5	86.5	86.5
77.5°	70.3	69.7	69.1	68.5
80°	52.9	52.3	51.7	51.7
82.5°	37.3	36.7	36.7	36.1
85°	21.6	22.2	21.6	22.8
87.5°	7.8	7.2	7.8	7.2
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P242395
 CATALOG NUMBER: S122RDRP-S865D830-X4F0-XX-UDD-A-W

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	17.68	19.13	18.04	19.44	19.76	23.58	25.03	23.94	25.34	25.66
	3H	18.79	20.09	19.17	20.42	20.78	24.73	26.03	25.11	26.36	26.72
	4H	19.24	20.46	19.64	20.81	21.19	25.13	26.34	25.53	26.69	27.07
	6H	19.61	20.73	20.02	21.10	21.49	25.39	26.52	25.81	26.88	27.28
	8H	19.73	20.80	20.16	21.19	21.59	25.47	26.53	25.89	26.92	27.32
	12H	19.82	20.84	20.25	21.22	21.65	25.50	26.52	25.93	26.91	27.34
4H	2H	18.39	19.60	18.79	19.95	20.33	23.54	24.76	23.94	25.11	25.49
	3H	19.66	20.66	20.07	21.06	21.47	24.84	25.84	25.25	26.24	26.65
	4H	20.21	21.11	20.64	21.53	21.97	25.33	26.23	25.76	26.65	27.09
	6H	20.68	21.46	21.14	21.91	22.37	25.72	26.50	26.17	26.94	27.41
	8H	20.84	21.57	21.30	22.02	22.49	25.83	26.56	26.29	27.01	27.48
	12H	20.96	21.61	21.44	22.09	22.56	25.91	26.56	26.39	27.04	27.51
8H	4H	20.55	21.28	21.02	21.73	22.20	25.32	26.05	25.78	26.49	26.96
	6H	21.12	21.72	21.62	22.22	22.69	25.74	26.35	26.24	26.84	27.32
	8H	21.35	21.89	21.86	22.40	22.89	25.89	26.43	26.41	26.94	27.43
	12H	21.53	22.01	22.04	22.50	23.07	26.01	26.49	26.53	26.98	27.55
12H	4H	20.59	21.24	21.08	21.72	22.20	25.29	25.94	25.78	26.42	26.90
	6H	21.18	21.72	21.70	22.24	22.73	25.72	26.26	26.23	26.77	27.26
	8H	21.46	21.94	21.97	22.43	23.00	25.90	26.38	26.41	26.87	27.44